

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/552,182  
Source: PG/10  
Date Processed by STIC: 10/18/05

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 10/18/2005

PATENT APPLICATION: US/10/552,182

TIME: 10:15:01

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\10182005\J552182.raw

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3 <110> APPLICANT: The Government of the United States of America as
4     represented by the Secretary of the Department of Health and
5     Human Services, Centers for Disease Control and Prevention
6     Kalish, Marcia L
7     Ndongmo, Clement B
8     Pau, Chou-Pong
9     Switzer, William M.
10    Folks, Thomas M.
12 <120> TITLE OF INVENTION: Multiple Antigenic Peptide Assay for Detection of HIV or SIV
Type
13     Retroviruses
15 <130> FILE REFERENCE: 6395-67856-06
C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/552,182
C--> 17 <141> CURRENT FILING DATE: 2005-10-05
17 <150> PRIOR APPLICATION NUMBER: US 60/462,071
18 <151> PRIOR FILING DATE: 2003-04-11
20 <150> PRIOR APPLICATION NUMBER: PCT/US2004/011022
21 <151> PRIOR FILING DATE: 2004-04-08
23 <160> NUMBER OF SEQ ID NOS: 30
25 <170> SOFTWARE: PatentIn version 3.2
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 11
29 <212> TYPE: PRT
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: SIVcpzGab virus
35 <400> SEQUENCE: 1
37 Trp Gly Cys Ser Gly Lys Ala Val Cys Tyr Thr
38 1           5           10
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 11
43 <212> TYPE: PRT
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: SIVcpzCam virus
49 <400> SEQUENCE: 2
51 Trp Gly Cys Ser Gly Lys Ala Ile Cys Tyr Thr
52 1           5           10
55 <210> SEQ ID NO: 3
56 <211> LENGTH: 11
57 <212> TYPE: PRT
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: SIVcpzAnt virus

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63 <400> SEQUENCE: 3
65 Trp Gly Cys Ala Asp Lys Val Ile Cys His Thr
66 1          5          10
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71 <212> TYPE: PRT
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: SIVsm virus
77 <400> SEQUENCE: 4
79 Trp Gly Cys Ala Phe Arg Gln Val Cys His Thr
80 1          5          10
83 <210> SEQ ID NO: 5
84 <211> LENGTH: 11
85 <212> TYPE: PRT
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: SIVagm-1 virus
91 <400> SEQUENCE: 5
93 Trp Gly Cys Ala Trp Lys Gln Val Cys His Thr
94 1          5          10
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 11
99 <212> TYPE: PRT
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: SIVagm-2 virus
105 <400> SEQUENCE: 6
107 Trp Gly Cys Ala Phe Lys Gln Val Cys His Thr
108 1          5          10
111 <210> SEQ ID NO: 7
112 <211> LENGTH: 11
113 <212> TYPE: PRT
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: SIVsun/lhoest virus
119 <400> SEQUENCE: 7
121 Trp Gly Cys Gln Trp Lys Gln Val Cys His Thr
122 1          5          10
125 <210> SEQ ID NO: 8
126 <211> LENGTH: 11
127 <212> TYPE: PRT
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: SIVcol virus
133 <400> SEQUENCE: 8
135 Ile Gly Cys Ala Asn Met Gln Ile Cys Arg Thr
136 1          5          10
139 <210> SEQ ID NO: 9

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140 <211> LENGTH: 11
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145 <223> OTHER INFORMATION: SIVrcm virus
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149 Phe Gly Cys Ala Trp Arg Gln Val Cys His Thr
150 1          5          10
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154 <211> LENGTH: 11
155 <212> TYPE: PRT
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: SIVmnd14 virus
161 <400> SEQUENCE: 10
163 Trp Gly Cys Ser Phe Ser Gln Val Cys His Thr
164 1          5          10
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168 <211> LENGTH: 11
169 <212> TYPE: PRT
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: SIVmndGB1 virus
175 <400> SEQUENCE: 11
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178 1          5          10
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182 <211> LENGTH: 11
183 <212> TYPE: PRT
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: SIVsyk virus
189 <400> SEQUENCE: 12
191 Trp Gly Cys Ala Phe Lys Gln Ile Cys His Thr
192 1          5          10
195 <210> SEQ ID NO: 13
196 <211> LENGTH: 11
197 <212> TYPE: PRT
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: SIVdeb virus
203 <400> SEQUENCE: 13
205 Trp Gly Cys Ala Phe Lys Gln Ile Cys His Thr
206 1          5          10
209 <210> SEQ ID NO: 14
210 <211> LENGTH: 15
211 <212> TYPE: PRT
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:

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215 <223> OTHER INFORMATION: SIVcpzGab virus  
 217 <400> SEQUENCE: 14  
 219 Arg Gly Glu Val Gln Ile Gly Pro Gly Met Thr Phe Tyr Asn Ile  
 220 1 5 10 15  
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 224 <211> LENGTH: 15  
 225 <212> TYPE: PRT  
 226 <213> ORGANISM: Artificial Sequence  
 228 <220> FEATURE:  
 229 <223> OTHER INFORMATION: SIVsm virus  
 231 <400> SEQUENCE: 15  
 233 Val Leu Pro Val Thr Ile Met Ser Gly Leu Val Phe His Ser Gln  
 234 1 5 10 15  
 237 <210> SEQ ID NO: 16  
 238 <211> LENGTH: 15  
 239 <212> TYPE: PRT  
 240 <213> ORGANISM: Artificial Sequence  
 242 <220> FEATURE:  
 243 <223> OTHER INFORMATION: SIVagm virus  
 245 <400> SEQUENCE: 16  
 247 Val Leu Pro Val Thr Ile Met Ala Gly Leu Val Phe His Ser Gln  
 248 1 5 10 15  
 251 <210> SEQ ID NO: 17  
 252 <211> LENGTH: 15  
 253 <212> TYPE: PRT  
 254 <213> ORGANISM: Artificial Sequence  
 256 <220> FEATURE:  
 257 <223> OTHER INFORMATION: SIVsyk virus  
 259 <400> SEQUENCE: 17  
 261 Ile Lys Asn Ile Gln Leu Ala Ala Gly Tyr Phe Leu Pro Val Ile  
 262 1 5 10 15  
 265 <210> SEQ ID NO: 18  
 266 <211> LENGTH: 15  
 267 <212> TYPE: PRT  
 268 <213> ORGANISM: Artificial Sequence  
 270 <220> FEATURE:  
 271 <223> OTHER INFORMATION: SIVlhoest virus  
 273 <400> SEQUENCE: 18  
 275 Glu Val Ser Thr Ile Ser Ser Thr Gly Leu Leu Phe Tyr Tyr Gly  
 276 1 5 10 15  
 279 <210> SEQ ID NO: 19  
 280 <211> LENGTH: 15  
 281 <212> TYPE: PRT  
 282 <213> ORGANISM: Artificial Sequence  
 284 <220> FEATURE:  
 285 <223> OTHER INFORMATION: SIVcol virus  
 287 <400> SEQUENCE: 19  
 289 His Arg Asn Leu Asn Thr Ala Asn Gly Ala Lys Phe Tyr Tyr Glu  
 290 1 5 10 15

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Input Set : A:\Sequence Listing.txt

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293 <210> SEQ ID NO: 20
294 <211> LENGTH: 15
295 <212> TYPE: PRT
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: SIVrcm virus
301 <400> SEQUENCE: 20
303 Val Lys Gly Ile Ser Leu Ala Thr Gly Val Phe Ile Ser Leu Arg
304 1           5           10           15
307 <210> SEQ ID NO: 21
308 <211> LENGTH: 15
309 <212> TYPE: PRT
310 <213> ORGANISM: Artificial Sequence
312 <220> FEATURE:
313 <223> OTHER INFORMATION: SIVmnd14 virus
315 <400> SEQUENCE: 21
317 Ile Val Ser Val Pro Ser Ala Ser Gly Leu Ile Phe Tyr His Gly
318 1           5           10           15
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322 <211> LENGTH: 15
323 <212> TYPE: PRT
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: SIVdeb virus
329 <400> SEQUENCE: 22
331 Tyr Arg Ala Val His Met Ala Thr Gly Leu Ser Phe Tyr Thr Thr
332 1           5           10           15
335 <210> SEQ ID NO: 23
336 <211> LENGTH: 28
337 <212> TYPE: PRT
338 <213> ORGANISM: Artificial Sequence
340 <220> FEATURE:
341 <223> OTHER INFORMATION: SIVcpzGab virus
343 <400> SEQUENCE: 23
345 Asn Asn Thr Arg Gly Glu Val Gln Ile Gly Pro Gly Met Thr Phe Tyr
346 1           5           10           15
349 Asn Ile Glu Asn Val Val Gly Asp Thr Arg Ser Ala
350           20           25
353 <210> SEQ ID NO: 24
354 <211> LENGTH: 28
355 <212> TYPE: PRT
356 <213> ORGANISM: Artificial Sequence
358 <220> FEATURE:
359 <223> OTHER INFORMATION: SIVmnd virus
361 <400> SEQUENCE: 24
363 Asn Arg Ser Val Val Ser Thr Pro Ser Ala Thr Gly Leu Leu Phe Tyr
364 1           5           10           15
367 His Gly Leu Glu Pro Gly Lys Asn Leu Lys Lys Gly
368           20           25

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/552,182

DATE: 10/18/2005

TIME: 10:15:02

Input Set : A:\Sequence Listing.txt

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L:17 M:270 C: Current Application Number differs, Replaced Current Application No

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date